



Instead of the Meeting...

ANNUAL AUCTION

Friday April 15, 2016

**6:00pm - Doors Open for
Sellers**

**7:00pm - Doors Open for
Buyers**

**Our Saviors Lutheran Church
1035 Carol Lane Lafayette**

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**Affiliated
Club**

ANNUAL AUCTION

**We hope to see you all this Friday night
April 15, 2016 for our club's Annual Auction!**

**This is the time to dig through your spare parts
box and bring in those gems that you might not
have a need for - but surely another ham will!**

**We should have a great array of items that
may be of great interest to you.**

**Please invite a friend or two to attend, and
please bring an item for the auction!**

See you there.

73, Mike Patterson, N6JGA, President

ANNUAL AUCTION ANNOUNCEMENT

Our annual auction will be held on April 15th at our regular meeting place in Lafayette. Our process will be the same as it has for the last 4 years. The first step when you arrive is to sign out a bidder's card. As a seller, this will be your number for your item cards. As a buyer, you will display this number if you are the successful bidder. Please, return these cards to us when you leave for the evening.

Sellers

When you get your bidders card, bring your items into the room and place them on one of the work tables inside the door. Figure out how many items you are going to enter into the auction. You can then go back to the sign-in table and they will give you item cards for your auction items. If you wish, we can provide a form ahead of time that you can print for yourself. There are 6 cards on each sheet of paper. Cut the item cards apart and fill out the description etc. before you arrive. Once your cards are filled out and your bidder's number has been filled in the Seller # space, we will stamp an item number on the cards. At that time, please take the bottom tab from the card. If you printed the cards yourself, we have scissors to cut the receipt from the bottom of the card. This is your receipt for claiming your money. If the proceeds from any of your items are to be donated to MDARC, please use 1 as the Seller #. It is important that the items be placed in item number order on these tables. After your items are sold and the buyer has paid for them, you may collect the amount due to you. Remember that the club will charge a 10% commission on each item (rounded off to the nearest nickel)

Buyers

Use the provided bidder's card to place your bid. Bid with the red side of the card and, if you are the successful bidder, show the number on the back of the card to the computer operator in the front of the room so that he can record that information along with the selling price. Purchases may be paid for with cash or checks. Credit cards will not be accepted. There is no additional fee to the buyer.

See Page 3 for Auction Card Examples.

73, Bill Swindell, K1LED

ALL MEMBERS ARE INVITED TO JOIN
THE CLUB YAHOO GROUP.
DOWNLOAD FILES, INCLUDING *THE
CARRIER* IN **FULL COLOR** AS WELL AS
SHARE INFORMATION WITH THE
MEMBERSHIP AT:

<http://groups.yahoo.com/group/mdarc>

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

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Vice President - Will Dickson, WB6YGI
Secretary - Dick Fletcher, AF9RF
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Jim Siemons, AF6PU

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Emergency Coordinator - Ron Bunch, W4FEK

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Registration: Tom Deeble, KA6SIP & Debbie Deeble
Treasurer: Jim Siemons, AF6PU
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Web Page: Mike Patterson, N6JGA

Membership Chair - Tom Deeble, KA6SIP
mdarcmembership@mdarc.org

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Outreach Coordinator - Jim Siemons, AF6PU
Field Day Chair - Mitchell Boyce, W8DOD
Refreshments - Elizabeth Styles KG6HLV
Holiday Party - Misa Siemons KJ6BUE
Trailer - Patrick Miller, KK6DBX

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MDARC LIVE AUCTIONITEM NO. **2**

SELLER NO: _____

MINIMUM BID \$ _____

Buyer _____ Amt _____

Manufacturer:

Description:

CLAIM CHECKITEM NO. **2**

SELLER NO. _____

MDARC LIVE AUCTIONITEM NO. **2**

SELLER NO: _____

MINIMUM BID \$ _____

Buyer _____ Amt _____

Manufacturer:

Description:

CLAIM CHECKITEM NO. **2**

SELLER NO. _____

MDARC LIVE AUCTIONITEM NO. **2**

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MINIMUM BID \$ _____

Buyer _____ Amt _____

Manufacturer:

Description:

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SELLER NO. _____

MDARC LIVE AUCTIONITEM NO. **2**

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MINIMUM BID \$ _____

Buyer _____ Amt _____

Manufacturer:

Description:

CLAIM CHECKITEM NO. **2**

SELLER NO. _____

MDARC LIVE AUCTIONITEM NO. **2**

SELLER NO: _____

MINIMUM BID \$ _____

Buyer _____ Amt _____

Manufacturer:

Description:

CLAIM CHECKITEM NO. **2**

SELLER NO. _____

MDARC LIVE AUCTIONITEM NO. **2**

SELLER NO: _____

MINIMUM BID \$ _____

Buyer _____ Amt _____

Manufacturer:

Description:

CLAIM CHECKITEM NO. **2**

SELLER NO. _____



Our annual auction is finally here. We have some really great equipment that will be auctioned off this year. Some late model, high quality radio equipment will be on the block. Be sure to get there early to check it all out. If you have things to sell, get there starting at 6:00 pm to register and set up. Bidding will start at 7:00. See <http://www.mdarc.org/activities/auction> for details. A PDF file is on the Auction web page with a set of auction seller cards. If you plan to sell something, print this file, cut out the individual seller cards and fill them in before you come. Please print legibly. Of course, seller cards will also be available on site. And remember there will be no business meeting, speaker, license testing or DX Special Interest Group at the April meeting. It's all Auction this Friday night.

Our Technical Committee is working on a number of interesting smaller projects on both the North and South Peaks of Mt. Diablo, such as improving the Internet link to North Peak. They're also looking at forming an RF direction finding (DF) team. One of its jobs would be to tracking down the source of interference issues that occur on our repeater systems. If you're interested, let our Committee Chair, Jim Siemons, AF6PU, know.

Our first two Public Service events are this coming Sunday. An MS Walk and a Diablo Trails Challenge Run are both on tap. Two weeks later is the March of Dimes March for Babies Walkathon. Several more are coming later this Spring and Summer. All these can use more communicators. Public service events are one of the best ways to practice your craft, refresh yourself on (or learn about) working in a structured net, prepare for emergency response needs – and get some California fresh air in the process. What could be better? See the web site and contact Pete Harris, KE6ZIW, if you can help.

Don't forget that Field Day is coming fast; only a couple of months away. We'll need operators for all bands and all hours. So let our Field Day Chair, Mitch Boyce, W8DOD, know if you can come. The location will be the same at last year, at Heather Farm Park in Walnut Creek. We'll be setting up starting Friday afternoon, to be ready to go Saturday. Come on down.

I must close with a request that you keep in mind the family of Larry Miller, KD6ZUJ, who passed away unexpectedly last month. Larry was an active Club member, participating in many public service events. With his wife, Ruth, KE6VOO, he was also the Co-chair of our Pacificon Hospitality Suite for many years, providing important relief and relaxation for the exhibitors, staff and speakers at the event. In addition, he was a Salvation Army Emergency Services Division volunteer for over two decades. Thinking of all these services in addition to his career as a California Freeway Service Patrol tow truck driver, clearly Larry's mission in life was to help people and keep them safe. He will be missed.

73 until next time,

Mike Patterson, N6JGA
President



Larry Miller, KD6ZUJ, passed away suddenly on March 24, 2016 in Walnut Creek. He leaves behind wife Ruth (KE6VOO), children Kyle and Samantha, sisters Becky, Renee' and Sheryl, as well as several nieces and nephews.

Larry and Ruth have been members of the Mount Diablo Amateur Radio Club for almost 25 years; staff room committee heads for over 20 Pacificon conventions, attended the Sugar Pine ham camping trip for 10+ years, and participated in The Salvation Army Emergency Disaster Services & Salvation Army Team Emergency Radio Network programs for almost 10 years.

A Memorial Service was held on Saturday April 9, at The New Hope International Church in Concord.

A Go Fund Me account for Larry's wife and two children has been set up at:

<https://www.gofundme.com/kyvvv4dd>

--- Lauren Styles, WA6CIE



Board Meeting minutes April 4, 2016

Presided over by President, Mike Patterson, N6JGA

Recorded by Secretary, R. Fletcher, AF9RF

The meeting took place starting at 7:02 pm in the “Back Room” of the Black Bear restaurant in Walnut Creek.

There was a motion, which was seconded and approved, to accept the minutes of the previous month’s meeting.

President Mike announced the passing of the NARC Technical Head, Tim Sivils.

The treasurer covered the following subjects describing them in detail.

- a - For bookkeeping purposes the club membership period starts in September of the current year and ends at the start of October the following year.
- b - She explained the budget’s financial reports layout (breakdown).
- c – She further explained the + vs – conflict, also known as the debit vs credit problem and its solution.
- d – She stated that she was wanting to replace the profit / loss report with a standard spreadsheet.

The Board discussed the upcoming auction that replaces the usual business meeting of Friday, April 15th. They discussed some of the high end items that will be available. It was noted that the auction will start at 7:00 PM, not the usual meeting start time.

The Education chairman said that the current class had 24 enrollees and 18 of them were still attending sessions. He added that the extra license class has 10 attendees signed up. He also noted that the Marin Amateur Radio Society education chair was at the last testing session and helped out.

The Board discussed the Memorandum of Understanding with the Hospital net. It was noted that there was not one yet but we are working on some sort of agreement with them.

Outreach to other area clubs was talked about and the Technical Committee chair spoke about recent efforts in that area.

Our Tech chair also stated that we were working on the problem of others using our facilities and frequencies.

A discussion was held at length about incentives to get club members, in general, involved in club functions, both technical and administrative.

It was announced that the memorial service for our recent SK, Larry Miller, KD6ZUJ will be held this coming Saturday, April 9th at 12 Noon. Contributions for the family are being solicited.

The Board discussed the merits of the Round Table Pizza arrangements which would yield 15 % of revenues going to the club. There were questions about whether this applied to the total revenue or just the purchases designated for MDARC. The Board voted and agreed to go ahead with the arrangement.

Respectfully submitted,

Richard Fletcher, AF9RF
Secretary



Roger Anderson, KM6BCY
Scott Anderson, KM6BNP
Christian Grejsen, N6XTN
Scott A. Miles, WB6PQM
Janice Rankin, N7MFC

Richard Rankin, WM7P
Walter Teruya, KK6ZZE
Alan Wandesforde, K6AWT
Brian Wickett, KK6DWJ
Alan Wong, KK6YGK

General Meeting minutes March 18, 2016

Presided over by Mike Patterson, N6JGA President

Recorded by Richard Fletcher, AF9RF Secretary

The meeting was called to order at 7:34 PM by the President who expressed greetings to all and led everyone in the salute to our national flag.

It was moved to approve the minutes from the February meeting. The motion carried.

President Mike announced to all that there was a file cabinet available for storing club documents and it was located in the our rented storage space.

Vice President Will gave a brief description of his recent activities.

The Treasurer reported a total account balance of \$98,778 and change. She gave a description of what comprised this balance.

Bill Swindell, K1LED described the rules governing next month's Auction and then took questions from the members.

John Primus, AF6RJ, our education chair, brought everyone up to date with his groups recent activities and thanked his helpers. He presented a detailed description of how many students attended classes, percent finishing the course and how many attained their license.

Ron Bunch, W4FEK, reported having queried members of what more they would like to receive, other than the usual, from the Club. The popular choices were more information about antenna technology and emergency communications.

The Volunteer Examiner group reported 9 Technician, 6 General and 5 Extra Class licenses achieved this evening.

The business meeting was adjourned at 8:10 PM. It was followed by presentation of Tropospheric Ducting, how it works and what it offers to ham radio operators. This was delivered by Gordon West using Skype as the delivery medium from his home in Southern California. The show lasted until 8:52 PM

Respectfully Submitted,

Richard Fletcher, AF9RF

Saturday, May 14, 2016 – Benicia, CA



AMATEUR RADIO LICENSE CLASS

Study Session followed by Exam

When: Saturday, May 14, 2016
8:00 AM - 5:00 PM

Where: Benicia Senior Center
187 East L Street, Benicia

What: Technician Class (beginner's level)
General Class Upgrade
(for those already licensed as a Tech)

Fee: \$30.00 cash at the door
(Includes exam fee)

Register: www.BeniciaARC.com

Questions: HamRadioClass@BeniciaARC.com or Art at (707) 746-5858

Class size is limited. Advance Registration is Required.
No prep or prior study needed or required.



Prospective hams should plan on attending a free Get-On-The-Air Class the week following their passing the exam to become familiar with Amateur Radio Operations.



Reserve Your Space – Become a Ham in One Day!



Can't make the upcoming class?
Check our website periodically for our next session.

Element 4 (Extra Class)
You need only pay the test fee of \$14. We do not provide study materials for Element 4.



18 APRIL 2016

WORLD AMATEUR RADIO DAY

قاوہلا وی دارلل یملاعلا مویلا

Día Mundial del Radioaficionado

Всемирный День радио Любительское

世界业余无线电日

Journée mondiale de la radio amateur

Global Communication and Friendship for All



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Turn in your unused or expired
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Saturday, April 30th, 2016
10 a.m. – 2 p.m.

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site near you

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BRENTWOOD POLICE DEPT 9100 BRENTWOOD BLVD

CONCORD POLICE DEPT 1350 GALINDO ST

DANVILLE POLICE DEPT 510 LA GONDA WAY

DUBLIN POLICE DEPT 100 CIVIC PLAZA

EMERYVILLE POLICE DEPT 2449 POWELL ST

HAYWARD POLICE DEPT 300 W WINTON AVE

HERCULES POLICE DEPT 111 CIVIC DR

KENSINGTON POLICE DEPT 217 ARLINGTON AVE

LAFAYETTE POLICE DEPT 3675 MT DIABLO BLVD

LIVERMORE POLICE DEPT
1110 SOUTH LIVERMORE AVE

MARTINEZ: CONTRA COSTA COUNTY SHERIFF 1980 MUIR RD

OAKLAND POLICE DEPT 455 7TH ST

OAKLEY POLICE DEPT 3231 MAIN ST

ORINDA POLICE DEPT 22 ORINDA WAY

PITTSBURG POLICE DEPT 65 CIVIC AVE

PLEASANTON POLICE DEPT 4833 BERNAL AV

RICHMOND POLICE DEPT 2200 HILLTOP MALL SUITE 110

SAN LEANDRO: ALAMEDA COUNTY SHERIFF
15001 FOOTHILL BLVD

SAN RAMON POLICE DEPT 2401 CROW CANYON RD

WALNUT CREEK POLICE DEPT 1666 N. MAIN ST

dispose
unused
Rx

For more
information,
please visit
www.dea.gov

HAM RADIO OUTLET

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ICOM



IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanking • USB Port for PC Control



IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



KENWOOD



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



TM-D710G | 2M/440 Dualband

- V-V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



YAESU
The radio



FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
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- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

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(877) 892-1745

SUNNYVALE, CA
(877) 892-1749

PORTLAND, OR
(800) 765-4267

PHOENIX, AZ
(800) 559-7388

WOODBIDGE, VA
(800) 444-4799

PLANO, TX
(877) 455-8750

BURBANK, CA
(877) 892-1748

SAN DIEGO, CA
(877) 520-9623

NEW CASTLE, DE
(800) 644-4476

DENVER, CO
(800) 444-9476

ATLANTA, GA
(800) 444-7927

SALEM, NH
(800) 444-0047

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New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

www.mdarc.org



FIRST CLASS

THIS MONTH: ANNUAL AUCTION !

Got Drugs?

Turn in your unused or expired
medication for safe disposal
Saturday, April 30th,
10 a.m. – 2 p.m.

Visit www.dea.gov or call 800-882-9539
for a collection site near you.



<https://www.facebook.com/mdarc.org>

W6CX Nets

Monday 7:00 pm Washington High School Net 147.060+

Monday 8:00 pm SATERN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

FM 147.060 MHz + / PL 100Hz - EchoLink: W6CX-R /133896, IRLP: 3057
224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/> Digital ATV Output 1244.500
Digital ATV Input 1292.500

ATV Inputs: 1289.25 MHz AM; 1270.000 FM pl 192.8 915.0 AM 427.0 AM

ATV Internet Stream: <http://www.w6cxatv.net/live>

Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 146.355+ (77.0 PL)

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735+ (107.2 PL)

or 145.410 -- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

March and April 2016 Club Calendar

Friday April 15, 2016	7:30pm	MDARC General Meeting - ANNUAL AUCTION ! Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette
Monday May 2, 2016	7:30pm	MDARC Board Meeting Black Bear Restaurant, 700 Bancroft Avenue, Walnut Creek
Saturday May 7, 2016	8:00 am	MDARC Technical Committee Environmental Center, 2581 Harbor Street, Pittsburg
Friday May 20, 2016	7:30pm	MDARC General Meeting Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette